

ABSTRACT

A data service system includes web servers, each servicing any access request received by the data service system. Duplicate application servers are also provided, each processing any request directed from any one of the web servers. A session state information managing system is provided to allow different application servers to process requests belonging to a single session without requiring the requests to carry their entire session state information. The managing system includes a session state information manager that, when called by an application server in processing a request, (1) provides the session state information of the request to the application server, and (2) generate a state reference for a new session state information for the request after the application server has processed the request and generated the new session state information. The managing system also includes a store that stores all session state information.